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jc617 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
96-136X

Total Pages in this Submission  
47

## TO THE ASSISTANT COMMISSIONER FOR PATENTS

Box Patent Application  
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**METHOD AND SYSTEM FOR ADAPTING GAMING DEVICES TO PLAYING PREFERENCES**

and invented by:

Jay S. WALKER, James A. JORASCH, and Thomas M. SPARICO

jc584 U.S. PTO  
09/481204  
01/11/00

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☒ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.: 08/775,388

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.:

Which is a:

☐ **Continuation** ☐ **Divisional** ☐ **Continuation-in-part (CIP)** of prior application No.:

Enclosed are:

### Application Elements

1. ☐ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 34 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☐ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Microfiche Appendix (if applicable)
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if drawings filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

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## Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
- a. ☒ Formal Number of Sheets 13
- b. ☐ Informal Number of Sheets \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☐ Newly executed (original or copy) ☐ Unexecuted
- b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference (usable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy (identical to computer copy)
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
12. ☒ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail (Specify Label No.): EL420982428US

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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47

## Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. ☒ Additional Enclosures (please identify below):

Revocation and Appointment of Power of Attorney, dated August 18, 1999 (copy)

## Fee Calculation and Transmittal

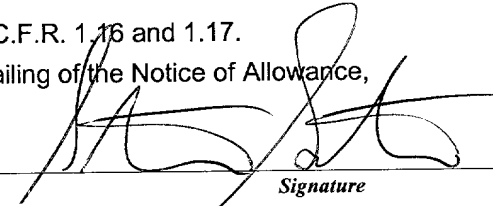
### CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	2	- 20 =	0	x \$18.00	\$0.00
Indep. Claims	1	- 3 =	0	x \$78.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$760.00
OTHER FEE (specify purpose)					\$0.00
TOTAL FILING FEE					\$760.00

- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-0271 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$760.00 as filing fee.
  - ☒ Credit any overpayment.
  - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
  - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: January 7, 2000

cc:

  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: WALKER et al. ) Group Art Unit: 3713  
Application No.: Not Yet Assigned ) Examiner: Not Yet Assigned  
Filed: January 11, 2000 ) **PRELIMINARY AMENDMENT**  
For: METHOD AND SYSTEM FOR ) Attorney Docket No.: 96-136X  
ADAPTING GAMING DEVICES ) Walker Digital, LLC  
TO PLAYING PREFERENCES ) One High Ridge Park  
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail no. EL420982428US in an envelope with sufficient postage and addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on January 11, 2000.

Dated: 01/11/00

By: Veronika S. Leliever  
Veronika S. Leliever

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Prior to examination on the merits, entry of the following amendments and consideration of the following remarks into the above-identified application is respectfully requested.

**P R E L I M I N A R Y   A M E N D M E N T**

Please amend the above-identified application as follows:

**IN THE CLAIMS:**

Kindly cancel claims 1-12, and 15-38 without prejudice.

**R E M A R K S**

Claims 1-38 were presented for examination in the parent application filed. Upon entry of this amendment, which is respectfully requested, claims 1-12, and 15-38 have been cancelled. Applicants respectfully request consideration of claim 13 and 14.

If the Examiner has any questions regarding the application or any suggestions for expediting allowance of the present application, the Examiner is cordially requested to contact Steven Santisi at telephone number (203) 905-6507 or via electronic mail at Santisi@WalkerDigital.com.

January 7, 2000  
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Respectfully submitted,



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# METHOD AND SYSTEM FOR ADAPTING GAMING DEVICES TO PLAYING PREFERENCES

## BACKGROUND OF THE INVENTION

### Field of the Invention

The present invention relates to gaming methods and systems. More particularly, the present invention relates to a method and system for adapting gaming devices to playing preferences.

### Description of the Related Art

Many casinos offer electronic slot machines, each programmed to play a particular game of chance, such as slots, video poker, or video blackjack. While these games award payouts based upon play results, they are designed to retain, on average, a certain percentage of all money received. This percentage is commonly referred to as the "hold percentage." Despite the fact that the odds are stacked in favor of slot machines, players still play slot machines not only for their entertainment value, but also in hopes of hitting a large jackpot.

To provide an added incentive to play the slot machines, many casinos offer programs to reward those players who frequently play slot machines. In one such program, a casino accumulates "player reward points" for a player as he spends money on slot machines in that casino. This can be done by networking the slot machines to a central server that stores the points for that player. The casino issues a player tracking card containing a unique player identification number. The player inserts the card into a card reader of a slot machine, which transmits the identification number to the central server. As the

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player spends money in the slot machine, the server accumulates reward points for that player. After the player accumulates enough points, he can redeem them for, for example, merchandise or apply them against room, food, and beverage charges at the casino hotel.

In many cases, however, these incentives may not be enough to attract casino players to play slot machines. One reason is that players may find it difficult to locate slot machines configured to play the game they prefer. A slot machine is typically programmed to play a single game type (e.g., deuces-wild, video poker). If a player is interested in playing a game other than the game that a particular slot machine is programmed to play, he is forced to wander around the casino until he is able to locate another available slot machine programmed to play the preferred game. In addition, where a group of people visit a casino, members of the group may be forced to split up so that each can find a slot machine programmed to play the game he likes.

Even after players have successfully found slot machines programmed to play the games they like, those slot machines may not be configured to operate in a manner that they like. For example, many slot machines do not permit players to select which language is used, or choose which form of payout (i.e., money, prize, complimentary awards) the player prefers. Thus, locating slot machines configured to players' preferences presents such an imposing task that many players are simply discouraged from even trying and consequently do not play slot machines. Accordingly, conventional slot machines do not satisfy the needs of many players.

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To address this shortcoming, some slot machines prompt players at the beginning of every gaming session to select from a menu of games. This, however, requires players to spend some time at the beginning of each and every gaming session choosing their preferred game, which in most cases does not vary from session to session. Many players are unwilling to spend, or uninterested in spending, the time to repeatedly enter the same game selection every time they play. Accordingly, such slot machines are also unsatisfactory.

### **SUMMARY OF INVENTION**

Systems consistent with the present invention allow casino players to customize slot machines easily according to their playing preferences and tailor the play of the slot machines for individual players. Such systems also eliminate the need for players to wander around a casino to locate a slot machine configured in the manner they prefer. Moreover, these systems allow slot machines to adapt to maintain the interest of the player.

To achieve these and other advantages and in accordance with the purpose of the invention, as embodied and broadly described, a gaming system consistent with this invention is adaptable to playing preferences and comprises a slot machine for allowing a player to bet on pseudo-randomized events and a central server. The slot machine includes a device for receiving preference data representing a preferred operation of the slot machine and a device for programming the slot machine to operate according to the received preference data. The server includes a device for storing a collection of data representing

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various operations of the slot machine and a device for selectively transmitting a portion of the stored collection of data to the slot machine as preference data.

A server consistent with the invention for configuring a slot machine to playing preferences comprises a device for storing a collection of data representing various operations of the slot machine and a device for selectively transmitting a portion of the stored collection of data to the slot machine as preference data.

A game machine configured with the invention and adaptable to playing preferences for allowing a player to bet on pseudo-randomized events controlled by the game machine comprises a device for receiving preference data representing a preferred operation of the game machine from an electronic storage medium and a device for configuring the game machine to operate according to the received preference data.

Both the foregoing general description and the following detailed description are exemplary and explanatory and are intended to provide further explanation of the invention as claimed.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

The accompanying drawings are included to provide a further understanding of the invention and, together with the Detailed Description, serve to explain the principles of the invention.

In the drawings:

Fig. 1 is a block diagram of the system consistent with the invention;

Fig. 2 is a block diagram of slot network server 110 shown in Fig. 1;

Fig. 3 is a block diagram of slot machine 120 shown in Fig. 1;

Fig. 4 illustrates a sample record from player database 214 stored in data storage device 210 shown in Fig. 2;

Fig. 5 illustrates a sample record from player preferences database 216 stored in data storage device 210 shown in Fig. 2;

Fig. 6 illustrates a sample record from casino preferences database 218 stored in data storage device 210 shown in Fig. 2;

Fig. 7 illustrates a sample table from game parameter database 326 stored in data storage device 320 shown in Fig. 3;

Fig. 8 illustrates a sample table from casino parameter database 328 stored in data storage device 320 shown in Fig. 3;

Fig. 9 is a flow diagram representing a method of establishing player preferences in a networked slot machine for later retrieval;

Figs. 10a-10b are flow diagrams representing a method of configuring a slot machine based upon player preferences consistent with the invention; and

Figs. 11a-11b are flow diagrams representing a method of configuring a slot machine based upon casino preferences consistent with the invention.

## **DETAILED DESCRIPTION**

### **Introduction**

Systems consistent with this invention allow casino players to set player parameters easily, such as game type, language, and payout options, to preselected player preferences. In such systems, one or more slot machines are

networked to a central server that stores information about player preferences. After a player inserts a player tracking card into a networked slot machine, that slot machine reads and transmits the player's identification number to the central server. The central server accesses and transmits player preferences associated with the received identification number to the slot machine. The slot machine receives the player preferences from the central server and configures the game to operate according to the received player preferences.

The invention also allows slot machines to modify casino parameters, such as hold percentage, complimentary award rate, and game eligibility, to casino preferences according to the performance of casino players to enhance their play experience. The networked slot machine transmits to the central server a player identification number and performance data for a casino player. The central server receives the player identification number and performance data, determines appropriate casino preferences, and transmits the casino preferences to the slot machine. The slot machine receives the casino preferences from the central server and configures the game to operate according to the received casino preferences.

### **System**

Fig. 1 illustrates a block diagram of a system 100 consistent with the present invention. System 100 includes slot network server 110 networked with slot machine 120. Although Fig. 1 shows only one slot machine 120, many slot machines are typically connected to network server 110. The term "slot machine" as used in this specification refers to any programmable gaming

terminal controlling a random or pseudo-random event in which one or more players can bet on the outcome of the event.

Slot network server 110 may comprise conventional server computer hardware, such as an RS 6000 manufactured by IBM Corp. Server 110 executes software instructing the hardware to execute unique functions and operations in accordance with the principles of the invention. Slot machine 120 may comprise a conventional slot machine modified to carry out the functions and operations described below.

Slot network server 110 and slot machine 120 transmit digitally encoded data and messages to one another. The transmitted data may represent player name and identification number, play results, authenticated player identification, preferences selections, and preferences data. The communications link between server 110 and slot machine 120 preferably comprises a cable on which electronic signals can propagate. Alternatively, however, the communications link may comprise other conventional communications links, such as over-the-air broadcast transmission.

Fig. 2 is a block diagram showing the architecture of slot network server 110. Like other conventional server computers, network server 110 includes certain standard hardware components, such as CPU 200, storage device 210, ROM 220, RAM 230, clock 240, communications port 250. CPU 200 is linked to each of the other listed elements. Communications port 250 connects network server 110 to slot machine interface 260, which links network server 110 to slot machine 120.

Unlike conventional servers, however, network server 110 executes one or more programs to perform the functions and operations described below and stores several databases of data relating to those functions and operations. These databases include player database 214, player preferences database 216, and casino preferences database 218. The programs (not shown) are preferably stored in storage device 210 and executed by CPU 200.

Transaction processor 212 accesses information to and from the databases in data storage device 210. Transaction processor 212 may comprise a separate, conventional CPU/microprocessor, as shown in Fig. 2, or alternatively comprise a portion of the operating function of CPU 200.

Player database 214 provides a repository of information on players who received casino player tracking cards. Players preferably receive casino player tracking cards from a casino by registering with the casino's card issuing authority. Fig. 4 shows a possible organization of database 214 with the following information for each registered player: (1) player identification number, (2) social security number, (3) name, (4) address, (5) credit card number, (6) player rating, (7) complimentary (comp.) information, (8) player preference tracking number, and (9) casino preference tracking number. Player rating is preferably assigned by the casino and indicates the level of gambling activity of the player based upon, for example, the amount of money wagered per bet as well as the time played. Complimentary information for each player includes data indicating what free amenities, or "complimentaries," the casino has granted to the player as a reward for playing at the casino. Such amenities may include,

for example, free drinks and meals at the casino, or a free room for the night in the casino hotel, or discounts for performances. Player preference tracking number and casino preference tracking number are unique identification numbers used to track the playing preferences of a player internally. In some embodiments, use of these tracking numbers may not be necessary. Player database 214 may, however, include fewer or more fields for player information.

Player preferences database 216 provides a table of information on player preferences indexed by player identification number. As shown in Fig. 5, database 216 preferably includes the following information on each registered player who entered player preferences through a slot machine: (1) tracking number, (2) game type, (3) language, (4) sound options, (5) speed of reel spins, (6) number of coins played per handle pull, (7) payout structure, (8) payout options, (9) form of complimentaries (comp.), and (10) currency type. Playing preferences generally relates to the values of those parameters that players have selected in establishing their preferred slot machine configuration. The playing preferences contained in database 216 include information about the preferred game (game type), the preferred configuration of the slot machine (language, sound options, speed of reel spins, number of coins played per handle pull), and preferred distribution of awards (payout structure, payout options, form of complimentaries, currency). In practice, fewer or more different types of player preferences can be stored in database 216.

Casino preferences database 218 contains a table of information on casino preferences indexed by player identification number. Casino preferences

reflect certain parameters that casinos can adjust according to certain criteria, such as skill level or playing frequency, to maintain the interest of its players.

Fig. 6 shows a possible organization for database 218 with the following information on each registered player: (1) hold percentage, (2) complimentary award rate, (3) complimentary award limits, (4) game eligibility (lockout), and (5) other. Hold percentage indicates a range of hold percentages, such as high, medium, and low. Low hold percentages could, for example, be made available to "premium" customers (*i.e.*, those with a high player rating) because those players may be courted by competing casinos.

Complimentary rate indicates how often players should receive complimentary amenities. Complimentary award limit indicates the maximum number or volume of complimentary amenities each player should receive in a given time period (e.g., per night).

Game eligibility indicates whether each player is qualified to play certain games. For example, a casino may reserve particular machines for its most frequent players. Casino preferences database 218 would indicate which players qualify for such games.

The last field labeled "other" contains information representing other variables that can be modified to uniquely customize a game so that the player maintains interest. For example, this field may indicate that the number of player award points accumulated during a certain period of time should be increased by a multiplier to stimulate interest in the player's continued play of the slot machine. Alternatively, the "other" field may contain a stored player gambling

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history to develop a customized casino preferences and complimentary award program. Such a program would typically be developed to maintain a player's interest in continuing to play a game at a time when the history indicates he may otherwise stop. For example, where the player gambling history indicates that a player typically stops after losing a certain dollar value, the preferences and award program may be designed to improve his odds of winning as he approaches his typical stop value. In alternative embodiments, casino preferences database 218 may include more or fewer fields.

Fig. 3 shows the architecture of slot machine 120 according to the invention. Slot network server interface 380 provides a connection for linking slot machine 120 to slot network server 110. As shown in Fig. 3, slot machine 120 includes CPU 310, which is connected to data storage device 320, reel controller 330, ROM 340, RAM 342, video display area 346, clock 348, operating system 350, hopper controller 352, player card tracking device 360, preferences selection button 370, random number generator 372, starting controller 374, and slot network server interface 380. These components may be conventional. CPU 310 executes modules stored in storage device 320 to perform the functions and described below. Controller 330 is connected to three reels 332, 334, 336 for displaying symbols corresponding to payouts. Storage device 320 includes probability table 322, payout table 324, game parameters database 326, and casino parameter database 328.

With respect to gaming operations, slot machine 120 operates in a conventional manner. The player starts the machine by inserting a coin, or using

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electronic credit, and pressing starting controller 374. Under control of a program stored, for example, in storage device 320 or ROM 340, CPU 310 initiates random number generator 372 to generate a number. CPU 310 looks up the generated random number in stored probability table 322 and finds the corresponding outcome. Based on the identified outcome, CPU 310 locates the appropriate payout in the stored payout table 324. CPU 310 also directs reel controller 330 to spin reels 332, 334, 336 and to stop them at a point when they display a combination of symbols corresponding to the generated outcome. When the player wins, the machine stores the credits in RAM 342 and displays them in video display area 346.

Hopper controller 352 is connected to hopper 354 for managing the flow of coins. When the player requests to cash out by pushing a button on slot machine 120, CPU 310 checks RAM 342 to see if the player has any credits and, if so, signals hopper controller 352 to release an appropriate number of coins into a payout tray.

In alternative embodiments, slot machine 120 does not include reel controller 330, and reels 332, 334, 336. Instead, video display area 346 graphically displays simulated representations of objects contained in the selected game, such as graphical reels or playing cards. These representations are preferably animated or displayed to simulate playing of the selected game.

Player card tracking device 360 includes display 362 and card reader 364. Players insert player tracking cards into card reader 364. Tracking cards can be plastic cards with magnetic strips electronically storing respective player

identification numbers. Display 362 displays information concerning the use of tracking device 360. Display 362 may be a touch screen display for receiving signals from the player concerning his selection of the options.

Alternatively, machine 120 or device 360 may include one or more separate input buttons (not shown) for the players to select the options and provide other input such as a PIN. Retrieved credits, like those credited during play, are stored locally in the machine's RAM and displayed in the machine's video display area. In other embodiments, slot machine 120 recognizes the identity of players through player identification devices other than player card tracking device 360, thereby eliminating the need for players to carry player identification cards. For example, slot machine 120 could include a keypad, at which players enter either their player identification numbers or their names along with a secured password. Slot machine 120 could also include a device for measuring player biometrics (i.e., fingerprint, voice, or retinal detection) to identify players.

Commercially available player card tracking devices include, for example, the Mastercom device available from Bally Manufacturing. (See, for example, U.S. Patent No. 5,429,361 to Raven et al.). Such player tracking devices include a magnetic card reader and a numeric keypad for entry of player information.

Preferences selection button 370 allows a player to initiate selection of player preferences and to select player preferences displayed on video display area 346. Button 370 may comprise a conventional input device, such as a keyboard or dedicated buttons marked with appropriate labels.

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Game parameter database 326 provides a table of information on game parameters that can be set in slot machine 120. Game parameters generally relate to those parameters that players may want to customize in their game playing.

Fig. 7 shows a possible organization for database 326 with the following information for slot machine 120: (1) game type, (2) language, (3) sound, (4) speed of reel spins, (5) currency, (6) payout type, (7) payout structure, (8) number of coins (default), and (9) form of complimentaries (comp.). Slot machine 120 selects values for each of the parameters from database 326 to configure operation of the game in slot machine 120. Slot machine 120 preferably cannot select values for the parameters that are not contained in database 326. Certain game parameter values stored in database 326 are designated as game default values and may be used when the player does not desire, or has not selected, player preferences. In alternative embodiments, database 326 includes different combinations of fewer or more player parameters.

Casino parameters database 328 provides a table of information on casino parameters that can be set in slot machine 120. Casino parameters generally relate to those parameters affecting awarding of payouts from slot machine 120. Fig. 8 shows a possible organization of database 328 with the following information for slot machine 120: (1) hold percentage, (2) complimentary rate, (3) comp. specifications, (4) game eligibility (lockout), and (5) other. Certain casino parameter values stored in database 328 are

designated as game default values and may be used when the casino does not have established casino preferences for a player. Any of the listed casino parameters may be omitted or others included in database 328.

### **Operation of the System**

The operation of system 100 will be described with respect to two different aspects. First, system 100 operates to adapt slot machine 120 to player preferences. Second, system 100 operates to adapt slot machine 120 to casino preferences. These operations may occur concurrently to adapt slot machine 120 to both player and casino preferences.

#### **Adapting to Player Preferences**

Before slot machine 120 can adapt to player preferences, the player must enter his preferences into system 100. Fig. 9 is a flowchart illustrating the steps in which a player enters his player preferences into system 100. As shown in Figure 9, the player inserts his player tracking card into slot machine 120 (step 910). The player initiates entry of preferences by pressing the "New Preferences" button from preferences selection buttons 370 (step 920). Video display area 346 displays a preferences menu providing a selection of different choices selectable by the player (step 930). The player selects his preferences using preferences selection button 370 (step 940), and slot machine 120 transmits the selected preferences, along with the player's identification number from his player tracking card, to slot network server 110 (step 950). Slot network

server 110 stores the player's preferences in player preferences database 216 for later retrieval (step 960).

Once a player has selected his preferences, he may later retrieve them for configuring slot machine 120. Figs. 10a-10b illustrate the manner in which system 100 retrieves player preference data to configure slot machine 120. As shown in Fig. 10a, the player inserts player tracking card into slot machine 120 (step 1005), and slot machine 120 transmits the player identification number to slot network server 110 (step 1010). Although not shown, slot network server 110 may validate the player identification number by requiring that the player enter a PIN into slot machine 120.

Next, server 110 accesses the player database 214 (step 1015) and determines whether the player has previously established player preferences (step 1020). If not, server 110 informs slot machine 120, which retrieves game default values stored in game parameter database (step 1025). If the player does have established preferences (step 1020), slot network server 110 accesses player preference database 216 and transmits the preferences data corresponding to that player's identification number to slot machine 120 (step 1030).

In one embodiment, server 110 transmits data actually representing the player preferences. In an alternative embodiment, server 110 transmits codes representing the player preferences, in which case slot machine 120 translates the received codes into player preferences using game parameter database 326.

Slot machine 120 then queries the player whether to use previously

established player preferences (step 1035). If not, slot machine 120 uses game default values stored in game parameter database 326 (step 1025). If the player indicates a desire to use his player preferences, slot machine 120 overrides the game default values and configures the game in slot machine 120 to match the player preferences (step 1040). Alternatively, slot machine 120 configures the game to the player's preferences without any input from the player.

Continuing to Fig. 10b, now that slot machine 120 is configured, the player plays the game on slot machine 120 (step 1045). When the player finishes, he removes the player tracking card from slot machine 120 (step 1050). Upon removal of the player tracking card, slot machine 120 accesses default game values from game parameter database 326 and configures the game in slot machine 120 to match the game default values (step 1055).

#### **Adapting to Casino Preferences**

Figs. 11a-11b illustrate the manner in which system 100 configures slot machine 120 to adapt to casino preferences. As shown in Fig. 11a, after the player inserts his player tracking card into slot machine 120 (step 1105), slot machine 120 transmits the player identification number to slot network server 110 (step 1110). Slot network server 110 accesses casino preferences database 218 (step 1115), and determines whether the player has established casino preferences (step 1120). If not, slot machine 120 uses casino default values stored in casino parameter database 328 (step 1125). If so, slot network server 110 transmits casino preferences to slot machine 120 (step 1130).

In one embodiment, server 110 transmits data representing the casino preferences. In another embodiment, server 110 transmits codes representing the casino preferences, in which case slot machine 120 translates the codes into the casino preferences using casino parameter database 328. Slot machine 120 configures the game to match the received casino preferences (step 1135).

Continuing to Fig. 11b, the player plays slot machine 120, as configured above. (step 1140). The slot machine sends the results of the gambling activity (*i.e.*, the amount of money spent by the player and the amount of money won by the player) to slot network server 110 (step 1145). Slot network server 110 analyzes the play results; updates casino preferences database 216 as necessary; and transmits the updated casino preferences to slot machine 120 (step 1150).

Server 110 preferably establishes casino preferences by applying the received play results to predetermined rules. These rules may consider, for example, the skill of the player or the amount of money spent before the player quits. These rules are preferably designed to adjust casino parameters to stimulate the player's interest in continuing to play slot machine 120. Server 110 also calculates and stores any complimentary awards due the player.

Slot machine 120 next configures the game to match the received casino preferences (step 1155), and determines whether the player has removed his card (step 1160). If not, steps 1140-1155 are repeated. If the player has removed his card, slot machine 120 configures the game to match casino default values (step 1165).



## Alternative Embodiments

Although the system of the invention has been described as one or more slot machines networked to a central server, the invention applies to other games and gaming environments. For example, the invention can be applied to table games, such as black jack and craps. Players insert their player tracking cards into card readers corresponding to seats around, for example, a black jack table. The central server could access player preferences data and casino preferences data for the players, and transmit that data to a data terminal located at the dealer. The dealer could then modify the game or award payouts according to the preferences.

The invention also could apply to other environments or systems involving one or more data terminals networked to a central server to configure the terminals to identifiable users or operators. For example, the invention could be readily modified to apply to networked video game systems, systems with point-of-sale terminals, and automatic teller machines (ATM). This eliminates the need for users or operators to manually enter information during each and every session to configure the terminals.

Further, player preferences data may be stored entirely on the player tracking card, rather than a central server. In such an embodiment, a machine reads the player preferences data from a received player tracking card and stores updated player preferences data on the card. In this way, player preferences move from machine to machine with the player's use of the card.

Variable	Mean	SD	Min	Max
Age	34.5	10.2	22	55
Gender	1.2	0.4	1	2
Marital status	1.5	0.5	1	3
Education	12.5	1.5	9	16
Income	1.8	0.8	1	3
Occupation	1.5	0.5	1	3
Religion	1.2	0.4	1	2
Health status	1.5	0.5	1	3
Life satisfaction	1.8	0.8	1	3
Stress	1.5	0.5	1	3
Depression	1.2	0.4	1	2
Anxiety	1.5	0.5	1	3
Loneliness	1.8	0.8	1	3
Self-esteem	1.5	0.5	1	3
Resilience	1.2	0.4	1	2
Optimism	1.8	0.8	1	3
Gratitude	1.5	0.5	1	3
Forgiveness	1.2	0.4	1	2
Compassion	1.8	0.8	1	3
Kindness	1.5	0.5	1	3
Generosity	1.2	0.4	1	2
Patience	1.8	0.8	1	3
Humility	1.5	0.5	1	3
Modesty	1.2	0.4	1	2
Shame	1.8	0.8	1	3
Guilt	1.5	0.5	1	3
Envy	1.2	0.4	1	2
Jealousy	1.8	0.8	1	3
Anger	1.5	0.5	1	3
Dislike	1.2	0.4	1	2
Disrespect	1.8	0.8	1	3
Disobedience	1.5	0.5	1	3
Disloyalty	1.2	0.4	1	2
Disaffection	1.8	0.8	1	3
Disrespectfulness	1.5	0.5	1	3
Disobedient	1.2	0.4	1	2
Disloyal	1.8	0.8	1	3
Disaffected	1.5	0.5	1	3
Disrespectful	1.2	0.4	1	2
Disobedient	1.8	0.8	1	3
Disloyal	1.5	0.5	1	3
Disaffected	1.2	0.4	1	2
Disrespectful	1.8	0.8	1	3
Disobedient	1.5	0.5	1	3
Disloyal	1.2	0.4	1	2
Disaffected	1.8	0.8	1	3
Disrespectful	1.5	0.5	1	3
Disobedient	1.2	0.4	1	2
Disloyal	1.8	0.8	1	3
Disaffected	1.5	0.5	1	3
Disrespectful	1.2	0.4	1	2
Disobedient	1.8	0.8	1	3
Disloyal	1.5	0.5	1	3
Disaffected	1.2	0.4	1	2
Disrespectful	1.8	0.8	1	3
Disobedient	1.5	0.5	1	3
Disloyal	1.2	0.4	1	2
Disaffected	1.8	0.8	1	3
Disrespectful	1.5	0.5	1	3
Disobedient	1.2	0.4	1	2
Disloyal	1.8	0.8	1	3
Disaffected	1.5	0.5	1	3
Disrespectful	1.2	0.4	1	2
Disobedient	1.8	0.8	1	3
Disloyal	1.5	0.5	1	3
Disaffected	1.2	0.4	1	2
Disrespectful	1.8	0.8	1	3
Disobedient	1.5	0.5	1	3
Disloyal	1.2	0.4	1	2
Disaffected	1.8	0.8	1	3
Disrespectful	1.5	0.5	1	3
Disobedient	1.2	0.4	1	2
Disloyal	1.8	0.8	1	3
Disaffected	1.5	0.5	1	3
Disrespectful	1.2	0.4	1	2
Disobedient	1.8	0.8	1	3
Disloyal	1.5	0.5	1	3
Disaffected	1.2	0.4	1	2
Disrespectful	1.8	0.8	1	3
Disobedient	1.5	0.5	1	3
Disloyal	1.2	0.4	1	2
Disaffected	1.8	0.8	1	3
Disrespectful	1.5	0.5	1	3
Disobedient	1.2	0.4	1	2
Disloyal	1.8	0.8		

It will be apparent to those skilled in the art that various modifications and variations can be made in the method and system of the present invention without departing from the spirit or scope of the invention. For example, the databases described above may reside in one or more databases stored in the data storage devices of either slot machine 120 or slot network server 110. The present invention covers the modifications and variations of this invention provided they come within the scope of the appended claims and their equivalents.

**IN THE CLAIMS:**

1. A gaming system adaptable to playing preferences, comprising:  
a slot machine for allowing a player to bet on pseudo-randomized events,  
said slot machine including

means for receiving preference data representing a preferred  
operation of said slot machine; and

means for programming said slot machine to operate according to  
said received preference data, and

a central server including:

means for storing a collection of data representing various  
operations of said slot machine; and

means for selectively transmitting a portion of said stored collection  
of data to said slot machine as preference data.

2. The system according to claim 1, wherein said slot machine further  
comprises

means for receiving player identification data, and

means for transmitting said received player identification data to said  
central server.

3. The system according to claim 2, wherein said central server  
further comprises means for receiving said player identification data from said  
slot machine.

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4. The system according to claim 3, wherein said means for storing comprises means for indexing said collection of data according to player identification data; and

wherein said means for selectively transmitting comprises means for selecting a portion of said stored collection of data corresponding to said received player identification data and for transmitting the selected portion as player preference data.

5. The system according to claim 2, wherein said central server further comprises means for progressively accumulating player reward points associated with said player identification data according to amounts that said player bets on said slot machine and said preference data.

6. The system according to claim 5, wherein said central server further comprises means for transmitting said accumulated player reward points to said slot machine, and wherein said slot machine comprises means for receiving said transmitted accumulated player reward points and for displaying said received accumulated player reward points.

7. The system according to claim 1, wherein said slot machine further comprises

means for monitoring said player's play results, and

means for transmitting result data representing said player's monitored results to said central server.

8. The system according to claim 7, wherein said central server further comprises means for receiving said result data from said slot machine.

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Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	8000
Health Status	0.7	0.5	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	4.5	1.5	1	7
Sleep Quality	3.5	1.5	1	6
Dietary Habits	2.5	1.5	0	5
Work-Life Balance	3.5	1.5	1	6
Family Support	4.5	1.5	1	7
Community Involvement	2.5	1.5	0	5
Personal Growth	3.5	1.5	1	6
Life Satisfaction	4.5	1.5	1	7
Overall Well-being	3.5	1.5	1	6

Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	8000
Health Status	0.7	0.5	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	4.5	1.5	1	7
Sleep Quality	3.5	1.5	1	6
Dietary Habits	2.5	1.5	0	5
Work-Life Balance	3.5	1.5	1	6
Family Support	4.5	1.5	1	7
Community Involvement	2.5	1.5	0	5
Personal Growth	3.5	1.5	1	6
Life Satisfaction	4.5	1.5	1	7
Overall Well-being	3.5	1.5	1	6

Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	8000
Health Status	0.7	0.5	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	4.5	1.5	1	7
Sleep Quality	3.5	1.5	1	6
Dietary Habits	2.5	1.5	0	5
Work-Life Balance	3.5	1.5	1	6
Family Support	4.5	1.5	1	7
Community Involvement	2.5	1.5	0	5
Personal Growth	3.5	1.5	1	6
Life Satisfaction	4.5	1.5	1	7
Overall Well-being	3.5	1.5	1	6

Variable	Mean	SD	Min	Max
Age	34.5	10.2	18	65
Gender	0.5	0.5	0	1
Marital Status	0.6	0.5	0	1
Education	12.5	1.5	9	16
Income	3500	1500	1000	8000
Health Status	0.7	0.5	0	1
Exercise Frequency	2.5	1.5	0	5
Stress Level	4.5	1.5	1	7
Sleep Quality	3.5	1.5	1	6
Dietary Habits	2.5	1.5	0	5
Work-Life Balance	3.5	1.5	1	6
Family Support	4.5	1.5	1	7
Community Involvement	2.5	1.5	0	5
Personal Growth	3.5	1.5	1	6
Life Satisfaction	4.5	1.5	1	7
Overall Well-being	3.5	1.5	1	6

13. A server for configuring a slot machine to playing preferences, comprising:

means for storing a collection of data representing various operations of said slot machine; and

means for selectively transmitting a portion of said stored collection of data to said slot machine as preference data.

14. The server according to claim 13, further comprising means for receiving a player identification number and for retrieving a portion of said stored collection of data corresponding to the received player identification number as player preference data for that player.

15. The server according to claim 14, wherein the means for selectively transmitting comprises means for transmitting said player preference data to said slot machine.

16. The server according to claim 13, further comprising means for receiving a player identification number, means for determining whether a portion of said stored collection of data corresponds to established casino preferences for that player, and means for retrieving said portion of said stored collection of data as casino preference data.

17. The server according to claim 16, wherein the means for selectively transmitting comprises means for transmitting said casino preference data to said slot machine.

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18. The server according to claim 13, further comprising means for receiving play results of said player and for establishing casino preferences based upon the received play results.

19. The server according to claim 18, further comprising means for transmitting said casino preferences to said slot machine as casino preference data.

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20. A game machine, adaptable to playing preferences, for allowing a player to bet on pseudo-randomized events controlled by the game machine, comprising:

means for receiving preference data representing a preferred operation of said game machine from an electronic storage medium; and

means for configuring said game machine to operate according to said received preference data.

21. The game machine according to claim 20, wherein said electronic storage medium comprises a magnetically-encoded card.

22. The game machine according to claim 20, wherein said electronic storage medium comprises a remote electronic server.

23. The game machine according to claim 20, further comprising means for receiving a player tracking card containing a player identification number and means for transmitting the player identification number to said networked server.

24. The game machine according to claim 23, wherein said means for receiving preference data comprises means for receiving player preference data corresponding to game parameters of said game machine.

25. The game machine according to claim 23, wherein said means for receiving preference data comprises means for receiving casino preference data corresponding to casino parameters of said game machine.

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28. A method of entering player preference data into a gaming system, comprising the steps, executed by a game machine, of:

receiving a player tracking card;

reading a player identification number from the player tracking card;

receiving player preference data; and

transmitting the received player preference data and the player identification number to a remote server for storage.

29. The method according to claim 28, further comprising the step of storing the transmitted player preference data in said server.

30. The method according to claim 28, further comprising the step of displaying a menu containing parameter values from which a player can select the player preference data.

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Variable	Mean	SD	Min	Max
Age	45.2	12.5	25	65
Gender	0.45	0.50	0	1
Education	12.8	2.1	9	16
Income	35.2	15.8	10	60
Health Status	1.2	0.8	0	3
Marital Status	0.65	0.48	0	1
Employment	0.75	0.43	0	1
Exercise	0.35	0.48	0	1
Diet	0.55	0.50	0	1
Stress	2.5	1.5	0	5
Sleep	7.2	1.8	5	9
Mood	4.5	1.2	3	6
Energy	5.8	1.5	4	7
Focus	6.2	1.3	5	7
Memory	6.5	1.4	5	7
Emotion	5.5	1.2	4	6
Behavior	5.2	1.1	4	6
Thought	5.8	1.3	4	6
Feeling	5.5	1.2	4	6
Perception	5.2	1.1	4	6
Attention	5.8	1.3	4	6
Concentration	5.5	1.2	4	6
Understanding	5.2	1.1	4	6
Reasoning	5.8	1.3	4	6
Problem Solving	5.5	1.2	4	6
Decision Making	5.2	1.1	4	6
Planning	5.8	1.3	4	6
Organization	5.5	1.2	4	6
Time Management	5.2	1.1	4	6
Task Completion	5.8	1.3	4	6
Goal Setting	5.5	1.2	4	6
Self-Motivation	5.2	1.1	4	6
Resilience	5.8	1.3	4	6
Stress Management	5.5	1.2	4	6
Emotional Regulation	5.2	1.1	4	6
Interpersonal Skills	5.8	1.3	4	6
Communication	5.5	1.2	4	6
Conflict Resolution	5.2	1.1	4	6
Leadership	5.8	1.3	4	6
Teamwork	5.5	1.2	4	6
Networking	5.2	1.1	4	6
Public Speaking	5.8	1.3	4	6
Writing	5.5	1.2	4	6
Reading	5.2	1.1	4	6
Learning	5.8	1.3	4	6
Adaptability	5.5	1.2	4	6
Creativity	5.2	1.1	4	6
Innovation	5.8	1.3	4	6
Entrepreneurship	5.5	1.2	4	6
Business Skills	5.2	1.1	4	6
Management	5.8	1.3	4	6
Leadership	5.5	1.2	4	6
Teamwork	5.2	1.1	4	6
Networking	5.8	1.3	4	6
Public Speaking	5.5	1.2	4	6
Writing	5.2	1.1	4	6
Reading	5.8	1.3	4	6
Learning	5.5	1.2	4	6
Adaptability	5.2	1.1	4	6
Creativity	5.8	1.3	4	6
Innovation	5.5	1.2	4	6
Entrepreneurship	5.2	1.1	4	6
Business Skills	5.8	1.3	4	6
Management	5.5	1.2	4	6
Leadership	5.2	1.1	4	6
Teamwork	5.8	1.3	4	6
Networking	5.5	1.2	4	6
Public Speaking	5.2	1.1	4	6
Writing	5.8	1.3	4	6
Reading	5.5	1.2	4	6
Learning	5.2	1.1	4	6
Adaptability	5.8	1.3	4	6
Creativity	5.5	1.2	4	6
Innovation	5.2	1.1	4	6
Entrepreneurship	5.8	1.3	4	6
Business Skills	5.5	1.2	4	6
Management	5.2	1.1	4	6
Leadership	5.8	1.3	4	6
Teamwork	5.5	1.2	4	6
Networking	5.2	1.1	4	6
Public Speaking	5.8	1.3	4	6
Writing	5.5	1.2	4	6
Reading	5.2	1.1	4	6
Learning	5.8	1.3	4	6
Adaptability	5.5	1.2	4	6
Creativity	5.2	1.1	4	6

32. A method of configuring a slot machine according to player preferences, comprising the steps, executed by the slot machine, of:

- receiving a player tracking card;
- reading a player identification number from the player tracking card;
- transmitting the player identification number to a remote server;
- receiving player preference data corresponding to the player identification number; and
- configuring the slot machine according to the received player preference data.

33. The method according to claim 32, further comprising the steps of:

- allowing a player to play at least one game on the slot machine;
- surrendering the player tracking card to the player;
- accessing game default values; and
- configuring said slot machine according to said game default values.

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34. An article of manufacture for causing a device to configure a slot machine according to player preferences, comprising:

means for causing a device to receive a player tracking card;

means for causing a device to read a player identification number from the player tracking card;

means for causing a device to transmit the player identification number to a remote server;

means for causing a device to receive player preference data corresponding to the player identification number; and

means for causing a device to configure the slot machine according to the received player preference data.

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35. A method of configuring a slot machine to casino preferences, comprising the steps, executed by the slot machine, of:

- receiving a player tracking card;
- reading a player identification number from the player tracking card;
- transmitting the player identification number to a remote server;
- receiving casino preference data corresponding to the player identification number; and
- configuring the slot machine according to the received casino preference data.

36. The method according to claim 35, further comprising the steps of:

- allowing a player to play at least one game on said slot machine;
- transmitting play results from said slot machine to said remote server;
- receiving updated casino preference data;
- configuring said slot machine according to said updated casino preference data.

37. The method according to claim 36, further comprising the steps of:

- surrendering said player tracking card; and
- configuring said slot machine to casino default values.

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38. An article of manufacture for causing a device to configure a slot machine to casino preferences, comprising:

means for causing a device to receive a player tracking card;

means for causing a device to read a player identification number from the player tracking card;

means for causing a device to transmit the player identification number to a remote server;

means for causing a device to receive casino preference data corresponding to the player identification number; and

means for causing a device to configure the slot machine according to the received casino preference data.

## ABSTRACT OF THE DISCLOSURE

A slot machine networked to a central server receives preference data corresponding to a player from the central server and configures the game to match the received preference data. The player inserts his player tracking card into the slot machine, which transmits player identification data to the central server. The central server transmits player preference data and casino preference data for that player to the slot machine for configuration. While the player plays the slot machine, the slot machine transmits data about the player's performance to the central server. The central server determines appropriate casino preference values based upon the player's performance and transmits those values to the slot machine for configuration.

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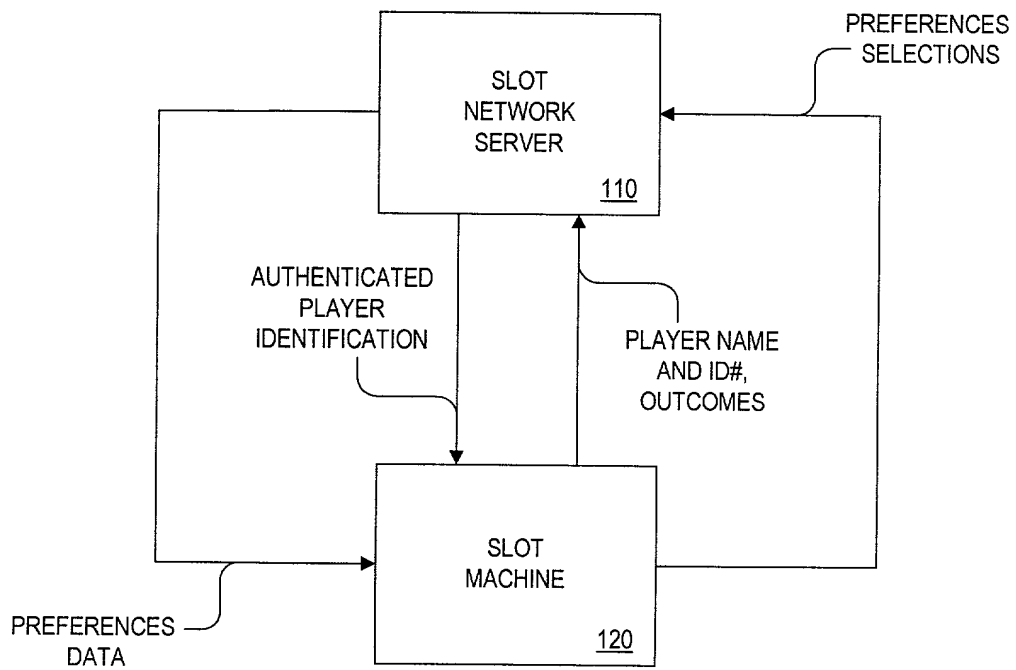


FIG. 1

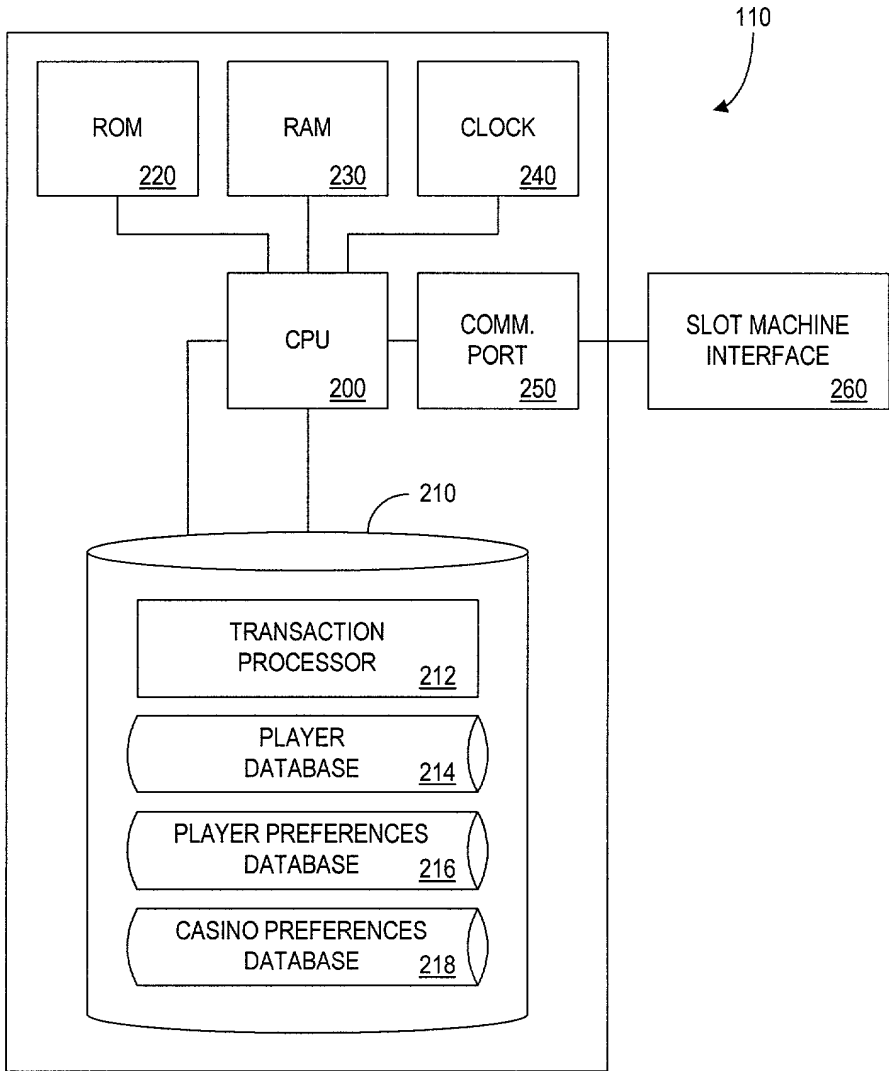


FIG. 2

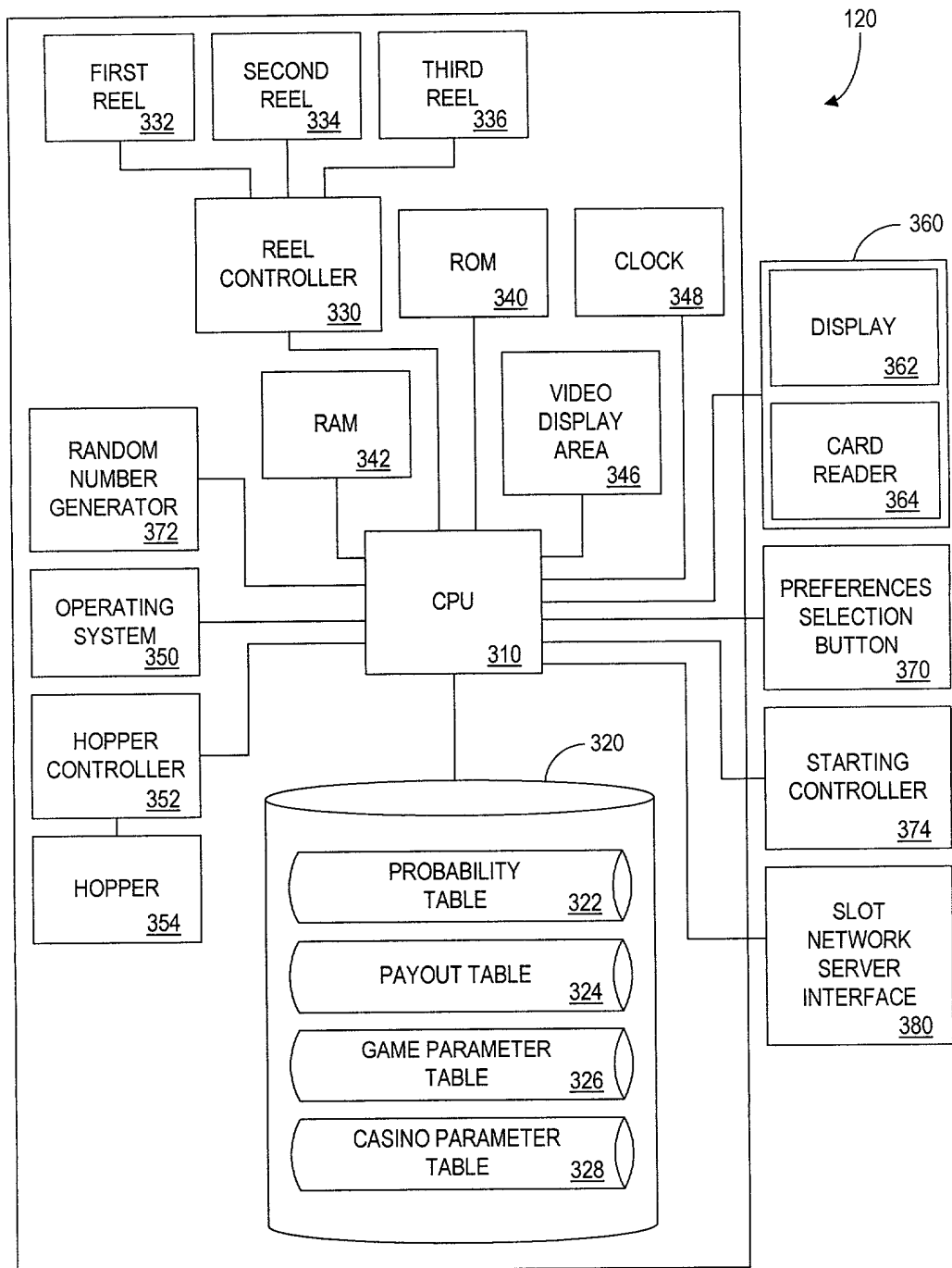


FIG. 3

214

PLAYER ID	SOCIAL SECURITY NUMBER	NAME	ADDRESS	CREDIT CARD NUMBER	PLAYER RATING	COMP. INFO	PLAYER PREFERENCE TRACKING NUMBER	CASINO PREFERENCE TRACKING NUMBER
JJ-3467	123-45-6789	PLAYER A	XXX ST. XX, XX 12345	1111 2222 3333 4444	HIGH ROLLER	FREQUENT COMP. RATE	HR-112	CHR-112

FIG. 4

216

PLAYER ID NO.	TRACKING NUMBER	GAME TYPE	LANGUAGE	SOUND OPTIONS	SPEED OF REEL SPINS	NUMBER OF COINS PLAYED AS DEFAULT	PAYOUT STRUCTURE	PAYOUT OPTIONS	FORM OF COMP.	CURRENCY
PLAYER ID NO. 12345	HR-234	VOLCANO ISLAND 2 COIN SLOT	FRENCH	MEDIUM	FAST: 110/MIN	2	ONLY HIGH END JACKPOTS	AT END OF PLAY	DRINKS	U.S. DOLLARS
PLAYER ID NO. 23456	ACES-567	VIDEO POKER- JACKS & UP	ENGLISH	LOUD	MEDIUM: 5 HANDS/ MINUTE	3		WITH EACH HAND PLAYED	MEALS OR T-SHIRTS	U.S. DOLLARS
PLAYER ID NO. 34567										

FIG. 5

218

PLAYER ID NO.	HOLD PERCENTAGE	COMP. RATE	COMP. AWARD LIMITS	GAME ELIGIBILITY (LOCKOUT)	OTHER
PLAYER ID NO. 12345	5%	ONE EVERY THREE HOURS	ONLY DRINKS	ALL	
PLAYER ID NO. 23456	10%	ONE EVERY HOUR	ONLY DRINKS OR MEALS	LEVEL 3	
PLAYER ID NO. 34567	7.5%	ONE EVERY DAY	NONE	NONE	

FIG. 6

326

GAME TYPE	LANGUAGE	SOUND	SPEED OF REEL SPIN	CURRENCY	PAYOUT TYPE	PAYOUT STRUCTURE	NO. OF COINS (DEFAULT)	FORM OF COMP.
1	A	X	10	\$	A1	CUSTOM1	1	MONEY
2	B	XX	9	LBS.	A2	CUSTOM2	2	FOOD
3	C	XXX	8	YEN	A3		3	DRINK
4	D	XXXX	7	DM	A4		4	ROOM
5	E	XXXXX	6	PESO	A5		5	MERCHANDISE
6	F	XXXXXX	5		A6		6	FREQ. FLYER MI
7	G	XXXXXXX	4		A7		7	COUPONS
8	H	XXXXXXXX	3		A8		8	CREDITS
9	I	XXXXXXXXX	2		A9		9	TICKETS

FIG. 7

328

HOLD PERCENTAGE	COMPLIMENTARY RATE	COMP. SPECIFICATIONS	GAME ELIGIBILITY (LOCKOUT)	OTHER
5.75%	ONE EVERY 80 MINUTES OF PLAY	DRINKS AND FOOD ONLY	NONE	DOES NOT LIKE CHINESE FOOD
7.65%	ONE EVERY 30 MINUTES OF CONTINUOUS PLAY	MERCHANDISE/ROOM	LEVEL 4	PREFERS MARTINIS

FIG. 8



```

graph TD
    910[PLAYER INSERTS PLAYER TRACKING CARD] --> 920[PLAYER SELECTS "NEW PREFERENCES"  
FROM PREFERENCES SELECTION BUTTONS]
    920 --> 930[PREFERENCES MENU APPEARS ON  
VIDEO DISPLAY AREA OF SLOT MACHINE]
    930 --> 940[PLAYER SELECTS PREFERENCES]
    940 --> 950[SELECTED PREFERENCES ARE TRANSMITTED TO  
THE SLOT NETWORK SERVER ALONG WITH PLAYER  
ID NUMBER FROM PLAYER TRACKING CARD]
    950 --> 960[SLOT NETWORK SERVER STORES THE  
PLAYER'S PREFERENCES IN THE PLAYER  
PREFERENCES DATABASE]

```

FIG. 9

```

graph TD
    1005[PLAYER INSERTS PLAYER TRACKING CARD 1005] --> 1010[PLAYER IDENTIFICATION NUMBER AND NAME TRANSMITTED TO SLOT NETWORK SERVER 1010]
    1010 --> 1015[SLOT NETWORK SERVER ACCESSES PLAYER DATABASE 1015]
    1015 --> 1020{DOES PLAYER HAVE ESTABLISHED PREFERENCES? 1020}
    1020 -- NO --> 1025[SLOT MACHINE USES GAME DEFAULT VALUE STORED IN GAME PARAMETER DATABASE 1025]
    1020 -- YES --> 1030[SLOT NETWORK SERVER ACCESSES PLAYER PREFERENCE DATABASE AND TRANSMITS PREFERENCES DATA TO SLOT MACHINE 1030]
    1030 --> 1035{DOES PLAYER WANT TO USE PREFERENCES? 1035}
    1035 -- NO --> 1025
    1035 -- YES --> A((A))
    A --> 1040[TO FIG. 10B]
  
```

FIG. 10A

FROM FIG. 10A

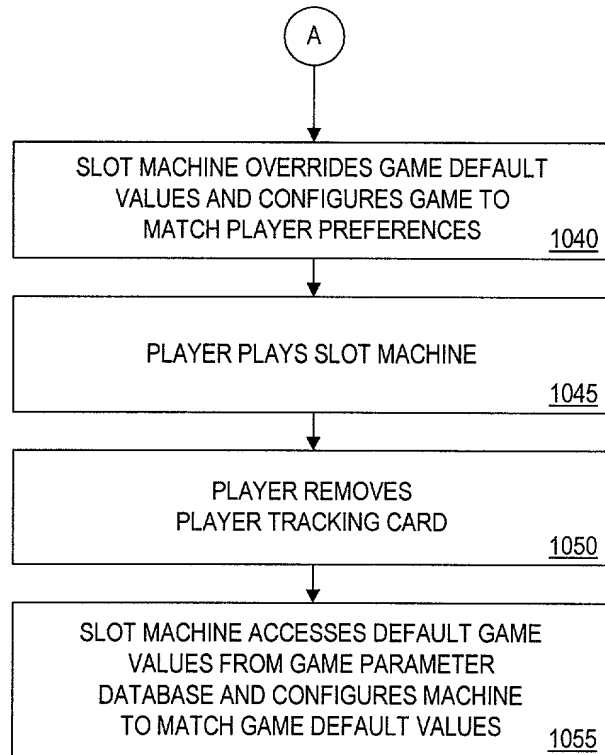
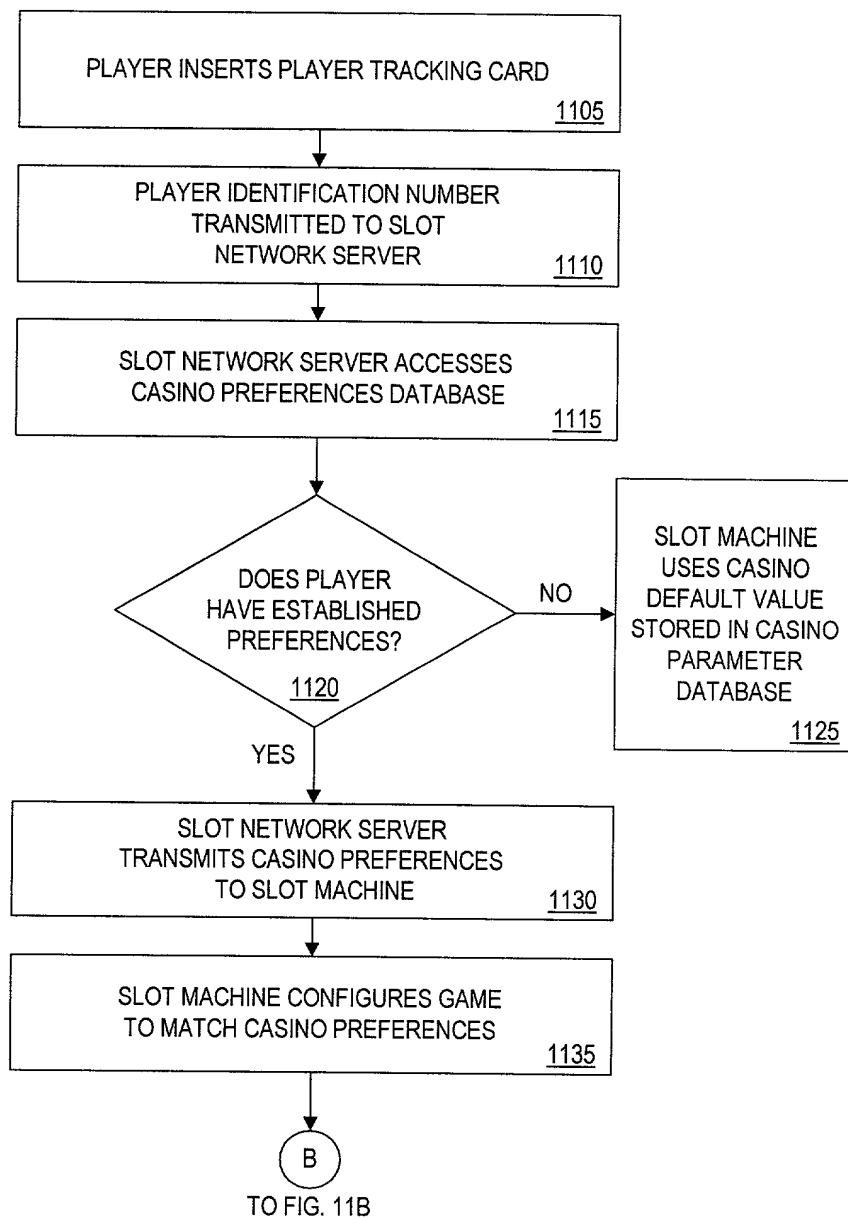


FIG. 10B



FROM FIG. 11A

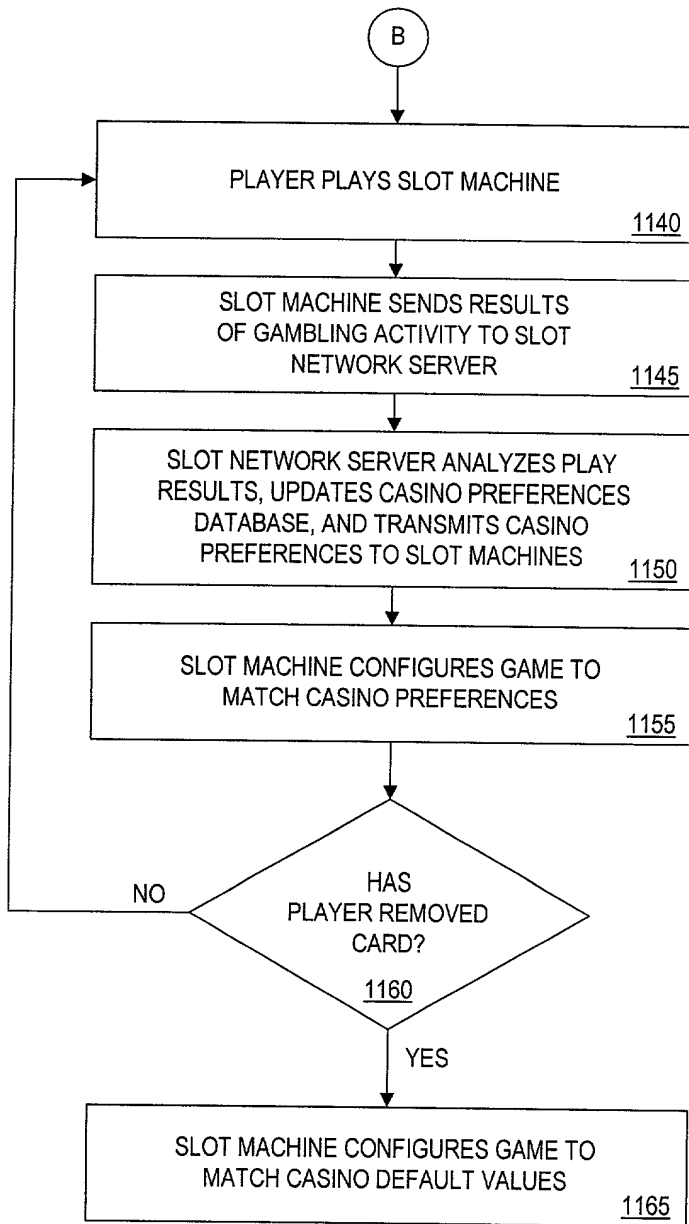


FIG. 11B

**COPY**Docket No.  
WD2-96-136

# Declaration and Power of Attorney For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### METHOD AND SYSTEM FOR ADAPTING GAMING DEVICES TO PLAYING PREFERENCES

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on December 30, 1996 as United States Application No. or PCT International Application Number 08/775,388

and was amended on August 18, 1999

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

jc584 U.S. PTO  
09/481204  
01/11/00

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

**Pat. No. 5,779,549**

**April 22, 1996**

**Issued**

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

\_\_\_\_\_  
(Application Serial No.)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

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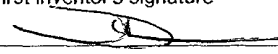
Kurt M. Maschoff, Reg. No. 38,235

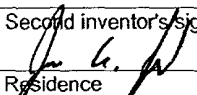
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Fourth inventor's signature

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Sixth inventor's signature

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